

Amendments to the Claims

This listing of claims, will replace all prior versions, and listings, of claims in the application:

Claim 1 (previously presented): A method of transmitting a communication signal between a radio base station and multiple radiation elements, the method comprising:

- a) receiving data signals from multiple radiation elements;
- b) generating a single modulated signal that combines data signals;
- c) producing a single input modulated signal, such that the input signal is adapted to be transmitted over a common feeder cable, wherein the data signals include values representing operating parameters of devices at the multiple radiation elements;
- d) transmitting the input modulated signal along with transmitted and received communication channel signals through the common feeder cable;
- e) receiving the input signal from the multiple radiation elements over the common feeder cable;
- f) extracting the data signals from the input signal; and
- g) producing a status signal for each device based upon the values representing operating parameters that simulates a feedback signal for the device.

Claim 2 (original): A method as defined in Claim 1, wherein the input signal comprises a plurality of communication signals.

Claim 3 (original): A method as defined in Claim 1, wherein the devices include system cables.

Claim 4 (original): A method as defined in Claim 1, wherein the devices include a mast head amplifier.

Claims 5-7 (canceled)

Claim 8 (previously presented): A method of transmitting a communication signal between a radio base station and multiple radiation elements, the method comprising:

- a) receiving data signals that include control signals representing operating parameter settings for devices at multiple radiation elements;
- b) generating a single modulated signal the combines data signals;
- c) producing single input modulated signal, to be transmitted over a common feeder cable;
- d) transmitting input modulated signal along with transmitted and received communication channel signals;
- (e) receiving the input signal over the common feeder cable;
- (f) extracting the data signals from the input signal; and
- (g) producing an output signal for each device that transfers the control signals representing operating parameter settings to the device.

Claim 9 (original): A method as defined in Claim 8, wherein the input signal comprises a plurality of communication signals.

Claim 10 (original): A method as defined in Claim 8, wherein the devices include a mast head amplifier.

Claims 11-14 (canceled)

Claim 15 (previously presented): An apparatus for transmitting a communication signal between a radio base station and multiple radiation elements, the apparatus comprising:

a bias tee configured to receive an input signal from the multiple radiation elements over a common feeder cable, wherein the input signal comprises data signals that are received from multiple radiation elements and are combined into a single modulated signal for transmission over the common feeder cable, the data signals including values representing operating parameters of devices at the multiple radiation elements;

a controller configured to extract the data signals from the input signal and to produce a status signal based upon the values representing operating parameters for the devices; and

a load simulator that simulates a feedback signal for the devices in accordance with the status signal.

Claim 16 (canceled)

Claim 17 (previously presented): An apparatus for transmitting a communication signal between a radio base station and multiple radiation elements, the apparatus comprising:

a bias tee configured to receive an input signal over a common cable, wherein the input signal comprises a single modulated signal that is a combination of data signals that include control signals representing operating parameter settings for devices at multiple radiation elements; and

a controller configured to extract the data signals and to produce an output signal for each device that transfers the control signals representing operating parameter settings to the device.

Claim 18 (canceled)